

Set	Items	Description
S1	61932	NSOC OR SOC OR SECURE() OPERATION? () CENTER OR MASTER() SYSTEM
S2	973443	COMMUNICATE? OR INTERFACE? OR CONNECT? OR INTERACT?
S3	143	SECURITY(2N) (SUBSYSTEM? OR SUB() SYSTEM? OR SUB() PROGRAM?)
S4	29404	(INSIDE OR WITHIN OR IMPLANT? OR INCLUDE? OR INLAY? OR INTEGRAT? OR EMBED??) (2W) (NETWORK? OR INTERNET OR WWW OR WORLDWIDE() WEB OR WORLD() WIDE() WEB OR INTERNET OR INTRANET? OR LAN OR WAN)
S5	1532960	MONITORS OR WATCH? OR TRACK? OR LOG OF LOGGING OR CHECK? OR EXAMIN? OR INSPECT? OR SCRUTINI?
S6	24605	INTRUSION OR UNAUTHORIZED OR NONAUTHOR? OR (NON OR "NOT") (-) AUTHORI? OR ILLEGAL?
S7	1112960	MULTIPL? OR MULTILIST? OR MANY OR PLURAL? OR NUMEROUS OR SEVERAL OR UNLIMITED OR VARIOUS
S8	36707	NETWORK() DEVICE? OR ROUTER? OR IDS OR FIREWALLS
S9	41752	(INFORMATION OR DATA) (3N) (CORRELATE? OR COMPARE? OR MATCH? - ??)
S10	3	COUNTERPANE() INTERNET() SECURITY
S11	5	S1 (S) S2 (S) S3
S12	6	S3 (S) S4
S13	7	S3 (S) S5 (S) S6
S14	1	S3 (S) S9 (S) S1
S15	18	S10:S14

File 348:EUROPEAN PATENTS 1978-2003/Apr W04

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*Fast + Focus  
Search*

15/5,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01356874

**METHOD AND SYSTEM FOR DYNAMIC NETWORK INTRUSION MONITORING, DETECTION AND RESPONSE**

**PROCEDE ET SYSTEME DE SURVEILLANCE, DE DETECTION ET DE REACTION DYNAMIQUES EN CAS D'INTRUSION DANS UN RESEAU**

PATENT ASSIGNEE:

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LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

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CITED PATENTS (WO A): US 5796942 A ; US 5909493 A ; US 6205551 B1

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Appl Changed: 030129 A1 International application not entering European phase

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PATENT ASSIGNEE:

**Counterpane Internet Security**, Inc...

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01004302 \*\*Image available\*\*

**SYSTEM AND METHODS PROVIDING SECURE DELIVERY OF LICENSES AND CONTENT**

**SYSTEME ET PROCEDES DESTINES A LA DELIVRANCE SECURISEE DE LICENCES ET DE CONTENUS**

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2002US33564 20021018 (PCT/WO US0233564)

Priority Application: US 200141906 20011018

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
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Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 13219

#### English Abstract

A computer network (100) having a requesting node (110) and a providing node (108) permits data transfer therebetween when permitted by an authorizing node (112). Reports generated in response to authorizations and reports generated in response to data transfers are reconciled at a reconciliation node (118) to improve the accuracy of payments collected and paid for use of the data. Such payments include copyright royalties for audio, video, and other works recorded in digital format.

#### French Abstract

La presente invention concerne un reseau informatique (100) comprenant un noeud demandeur (110) et un noeud fournisseur (108), qui permet le transfert de donnees entre ces derniers lorsque ledit transfert est autorise par un noeud d'autorisation (112). On procede, a un noeud de rapprochement (118), au rapprochement des rapports produits en reponse aux autorisations et des rapports produits en reponse aux transferts de donnees afin d'ameliorer l'exactitude des paiements recueillis et effectues pour l'utilisation des donnees. Ces paiements comprennent des droits d'auteur afferents a des oeuvres audio, video et autres oeuvres enregistrees en format numerique.

Legal Status (Type, Date, Text)

Publication 20030424 A1 With international search report.

Publication 20030424 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description

#### Detailed Description

... transfer is permitted.

A system for data transfer according to various aspects of the present invention may include a public network . Use of a public network (e.g., the Internet) simplifies data communication among any number of subsystems...

...and retail subsystem 2136 are coupled for data transfer by private network 2134. Multiple subsystem facility 2102 includes a private network 2110 coupled to each of packaging subsystem 2104, delivery subsystem 2106, and security managing subsystem 2108. Each subsystem may include one or more conventional computer systems (e.

15/5,K/3 (Item 2 from file: 349)

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01000979

THE PFN/TRAC SYSTEM"sup"TM FAA UPGRADES FOR ACCOUNTABLE REMOTE AND ROBOTICS CONTROL TO STOP THE UNAUTHORIZED USE OF AIRCRAFT AND TO IMPROVE EQUIPMENT MANAGEMENT AND PUBLIC SAFETY IN TRANSPORTATION  
PERFECTIONNEMENTS FAA AU SYSTEME PFN/TRAC<SP>MD</SP> POUR LE CONTROLE

**RESPONSABLE A DISTANCE ET ROBOTIQUE POUR L'ELIMINATION DE L'UTILISATION  
NON AUTORISEE D'AERONEFS ET POUR L'AMELIORATION DE LA GESTION  
D'EQUIPEMENT ET DE LA SECURITE PUBLIQUE DANS LE DOMAINE DU TRANSPORT**

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Priority Application: US 2001325538 20011001; US 2001330085 20011019

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DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD

SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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**Publication Language: English**

**Filing Language: English**

**Fulltext Availability:**

Detailed Description

Claims

**Fulltext Word Count: 133713**

**English Abstract**

This invention, a Protected Primary Focal Node PFN is a Trusted Remote Activity Controller TRAC and mobile communication router platform that provides accountable remote and robotics control to transportation vehicles by interfacing with the vehicles E/E systems. It connects each vehicle either on the earth's surface or near the earth's surface with application specific intranets for air, sea and land travel, via either host commercial servers or agency providers through wireless communication gateways and then further interfaces these vehicles in a larger machine messaging matrix via wireless and IP protocols to further coordinate movement assess and manage equipment use and impact on the world resources, societies infrastructure and the environment. This filing focuses directly on PFN/TRAC System use to augment and upgrade public safety and security in the Airline Industry and restrict any unauthorized use of an aircraft. Additionally, this application and related filings teaches the PFN/TRAC System<sup>sup</sup>TM use for all vehicle platforms to increase safety and security in a free society like the United State of America. The other related filings instruct in the technology's use for robust and accountable remote control for personal applications, stationary equipment and standalone functions, and coordinates them and interfaces them within the communication matrix. The TRAC controller also performs translation and repeating functions across a wide variety of communication protocols to complete a more mobile flexible matrix or web. This connected communication matrix of computers and humans provides an enhanced Human Machine Interfacing HMI scenario both locally and systemically in real-time for improve equipment management and world stability.

**French Abstract**

La presente invention concerne un noeud focal primaire protege (PFN) qui est une controleur d'activites a distance de confiance (TRAC) et une plate-forme d'acheminement de communication mobile qui fournit le controle responsable a distance et robotique aux vehicules de transport par dialogue avec les systemes E-E des vehicules. Elle relie chaque vehicule soit sur la surface terrestre ou pres de la surface terrestre a des intranets specifiques d'applications pour le transport aerien,

maritime et terrestre, via soit des serveurs hotes commerciaux ou des fournisseurs de mandataires a travers des passerelles de communication sans fil et effectue un interfacage additionnel de ces vehicules dans une matrice de messagerie plus vaste via des protocoles IP pour coordonner davantage des evaluations de deplacement et la gestion de l'utilisation d'equipement et l'impact sur les ressources mondiales, l'infrastructure des societes et l'environnement. La presente invention s'appuie directement sur le Systeme PFN/TRAC pour accroitre et ameliorer la securite publique et la securite dans l'industrie de l'aviation et limiter toute utilisation non autorisee d'un aeronef. En outre, cette invention et ses annexes preconisent l'utilisation du Systeme PFN/TRAC<SP>MD</SP> pour toutes les plates-formes des vehicules pour accroitre la surete et la securite dans une societe libre comme les Etats Unis d'Amerique. Les autres demandes annexes preconisent l'utilisation de la technologie pour le controle a distance strict et responsable pour des applications personnelles, un equipement fixe et des fonctions autonomes, et effectuent leur coordination et leur interfacage au sein de la matrice de communication. Le controleur TRAC effectue egalement la traduction et des fonctions repetitives a travers une large gamme de protocoles de communication pour realiser une matrice ou toile flexible plus mobile. Cette matrice de communication de connexion d'ordinateurs et d'etres humains fournit un scenario d'interface homme-machine (IHM) localement et systematiquement en temps reel pour ameliorer la gestion d'equipement et la stabilite dans le monde.

Legal Status (Type, Date, Text)

Publication 20030410 A2 Without international search report and to be republished upon receipt of that report.

Fulltext Availability:

Detailed Description

Detailed Description

... this practice and any derived procedures and protocols proprietary to the PFN/TRAC system and this FACT **security** invention regarding air travel and transport for public safety and national security.

Acronyms repeated that relate to...and transmit it to the surface security as well as, provide a direct link from the surface **security** -to- **security** flight staff or air marshal. The flight deck can also be provided this data or it can...TSA- FACT AOC FAA NTSB FBI via Herndon Va. Mass

data Center for handling and storage

\*It **compares** Unit configuration to **data** stored in the unit inventory memory \*Local or regional data handling, storage and buffers are possible for...protected carrying case with several essential wireless technologies interfaced for communications routing of aircraft data to surface **security** and the reception of critical security data for display to the air marshal while in flight. Also...Array(ASICs) Systems On a Chip (SOC)

TRAC Features

Industry Accepted and Trusted System, Uses "Industry Standard"

**Interfaces** , Provides Accountability Requirements, Aggressive Remote Control Functions, It is Programmable & Modular, Scaleable, provides Level of Redundancy, Event...functions programmed in the different software protocols to operate on local hardware and PFN/TRAC system architecture

**Interfaces**

1 5 Automotive industry standardization efforts, IEEE standardization efforts, avionics standardizations efforts, rail standardization efforts, marine standardization...

...electronics standardizations efforts, computer standardizations efforts, H-Rel connectors, actuators, sensors, signal levels

Wireless telephony and data **interfaces**

Digital Cellular, PCS, 56K Modem, RF & Pager Technology, all the approved

aviation wireless technologies, all marine, **interactive** highways all DSRC, all emergency frequencies AIP, Airline Control Protocol, Data link layer polled protocol that runs...coded decimal (BCD) character set., Airline Product Set ALPS circuit, And a communication path across a TCP **connection** between a host reservation system and an ASCU. When MATIP encapsulation is used on an ALPS circuit...forward and backward engineering. However, the flexible interfacing via Plug, play and program architecture at local routing **interfaces** (proprietary to the PFN/TRAC system) will aid immensely in this process. With more dispersed maintenance to...5 and miniaturized into SOC configurations.

There is always to be a flexible plug, play and program **interface** capacity to grow and keep current with new technology and accommodate legacy technologies in the PFN/TRAC...

...and capable to recognize all new interfacing and system augmentation and provide a review process and integrity **check** ; both at the local **interface** PFN/TRAC unit and system wide to **check** for alerts or anomalies. Either because of FACT programming or to write code to flag events as...

...PFN/TRAC technology becomes more mainstream, many of the applications will migrate to specific architectures and product **interfaces** The different types of wireless are quite unique to each other on numerous levels, and require specific...VPN, enterprise toll bypass, and MDU/MTU access services where these are not present by commercial providers **interfaced** in the local unit to include with cross protocol ...report to mass data management and storage centers at the airport; they can have wireless and wired **connections** ; and multiple communication technologies ...have back up power supplies; they provide the means to add electrical functions to legacy equipment; **interface** separate equipment and existing security

@p

systems into one management system; and respond locally and to repeat... robust actuators and equipment controls; they perform realtime remote control with accountability; they perform their own integrity **checks** and of assets **interfaced** and inventory with them; they can perform self maintenance **checks** and diagnostics; and affect repairs automatically and remotely; they can detect tampering; can operate encrypted programming PCrP...Government Executive, Legislative and Judicial. (possibly a new judicial function into the procedures and protocols for an **interactive** accountable use of the FACT security program). At This highest-level procedures, will need to be determined...access to data can be controlled via personal ID clearance and Data Encrypted 1 5 PFN/TRAC **interface** Terminal protocol (to be determined and approved by each security agency for agency specific data as a...with all the necessary encryption algorithms for coded commands from time to time and done with integrity **checks** before activation of any changes. (integrity **check** protocols will need to be determined as well) TRAOFAC is all about accountability to be trusted and...being considered for the first responders to have access via local 1E, 1 SV, 1Ps and the **TRACKER** units through responsive connections with their lp 1Ps personal communication interface belts or other personal PFN configurations...from an early warning triggered by a flagged flight trajectory processed in an ATWAOC system from a **TRACKER** unit) Other **security** markers would be used as well in a FACT program ( pilot/ passenger panic signal and video surveillance...identified the lost signal it would report the interrogating PFN GPS if the signal did not provide **tracking** e.g. ... FACT/FCC will need to approve this PFN/TRAC scan function and employ it. All PFNs or **TRACKER** routers could be configured to scan for all sorts of electromagnetic frequencies and EM wave propagations/transmissions... or never detected occurrences (or special FACT event anomalies).

Figure 21Figure 21 This Figure illustrates a wireless **tracking** network locating a lost child. The same process would be used at an airport to **track** human movement and interface directly with the machines vehicles@, equipment and aircraft in the PFN/ ...Standalone (totally self powered

units) communicate with the I E equipment, I SV surface vehicle PFNs la **tracker** units and 1A PFN/TRAC units. The personal PFNs can be belts like the ones used later...

...can be placed on or in people, equipment, machines, materials, baggage, to for a portable network to **track** a desired mass of assets traveling or being transported together or a way to follow each and...consistent reliable and redundant network function through mass rnini repeating stations or routing nodes.. Not only for **tracking** and telemetry of movement but to perform ...limited range is given far greater reach to deliver data..

The flexible mobile web allows for endless **tracking** and accountable robust remote activity control if deemed necessary.

For an example, personal units can be designed...operate to increase their distance through FACT network and PFN/TRAC repeat technology.

Other applications include; child **tracking** , medical telemetry with automated medication and/or for the criminal or criminally insane being transported by air **tracking** through out a national matrix of responsive PFNs. Possibly used with illegal immigrants that may have questionable... body telemetry (Heart and respiration ) via fabric sensors supported by belt, bracelet and/or band mounts or **implanted** in a personnel to feed critical data to surface security and/or medical experts providing real-time...

15/5,K/4 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00945789 \*\*Image available\*\*

#### INTERNET SECURITY SYSTEM

#### SYSTEME DE SECURITE LIE A L'INTERNET

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SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

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